

REMARKS

Claims 1-4, 6-30 are pending. Reconsideration is respectfully requested.

Claims 9, 17-19, 21, 22, 30 have been withdrawn from consideration. However, in light of the following arguments about the allowability of the generic claims, all withdrawn species claims should be rejoined.

Claims 1, 3, 4, 6-8, 10-13, 16, 20, 23-25, 27, 28 are rejected under 35 USC 103(a) as unpatentable over Ping '97 in view of Ping '96. The Examiner states that Ping '97 shows electronic nose detection using ANN pattern recognition and fuzzy cluster pattern recognition, but does not explicitly show ANN with fuzzy filters, as claimed by Applicant. The Examiner also states that Ping '96 shows ANN with fuzzy logic, and that the combination produces Applicant's fuzzy filter neural network. This rejection is respectfully traversed.

The Examiner's analysis of Ping '97 as not showing fuzzy filters is correct, but the Examiner appears to believe that the "fuzzy logic" of Ping '96 is fuzzy filters. This is incorrect. The fuzzy logic of Ping '96 is merely the same fuzzy cluster pattern recognition of Ping '97. Neither reference has anything to do with fuzzy filters.

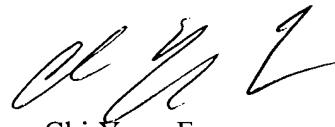
The declaration of Prof. Jang, an expert in the field, is submitted herewith to rebut the rejection.

The remaining rejections are all based on the combination of Ping '97 and '96 with other references to show additional features, and are thus traversed. Since the combination of Ping '97 and '96 does not show Applicant's basic feature of the fuzzy filters, all these rejections must fail.

The claims withdrawn from consideration should be rejoined since they depend from allowable claims. Since generic Claims 1, 11 is allowable then all species claims dependent therefrom should be allowed.

Accordingly it is submitted that all claims now present in the case are in condition for allowance which is earnestly solicited. If any issues remain, the Examiner is requested to contact Applicant at (415) 824-5729.

Respectfully submitted,



Chi Yung Fu
Applicant

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